

EMPOWER YOUR BUSINESS WITH AI-ENABLED DOCUMENT MANAGEMENT



THE BUSINESS CHALLENGE

Traditional cabinets stuffed with **hundreds of thousands of contracts and documents** generated throughout the last 100 years. Such scenarios are still harming productivity in the 21st century, and this is exactly what our client was facing. Naturally, it had become **impossible to have a comprehensive overview** of the existence and status of all these documents. Are they still valid? Are they still needed for business activities? Have the associated legal requirements changed? The answers to all these questions were nearly impossible to find, as processing the documents **manually would have taken over 10 years** and **off-the-shelf solutions were not up to the task**. It was clear that our client could continue to search for a needle in the haystack, or, incorporate a smart document management system backed by artificial intelligence to help them to sort and access data from anywhere quickly.



THE SOLUTION

Thus, we developed a tool which leverages multiple advanced algorithms and ML strategies to fulfill two tasks:

1. **Automatically extract information** (i.e. a validity date, signature etc.) from documents
2. **Classify the information** (i.e. contract type, validity as of today etc.) to sort the documents seamlessly

Moreover, the **tool includes an intuitive dashboard** which empowers the employees to validate results and improve the performance of the model by inputting their specific domain knowledge. Thus, the solution not only greatly increased the accuracy of the results, but it ensured success of its integration by leveraging so-called **“Human-in-the-loop” Machine Learning**, which allows employees to re-train the model periodically. With this, we were able to tailor open source ML models with rules based on our client’s domain knowledge.

MEASURABLE IMPACT

Up to 97%

Document processing accuracy

>149 hours

Saved with automation

221%

Return on Investment

* Watch a **Webinar with SBB and BKW** where we discuss the the technical approaches behind this solution and its impact in practice